

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/937,519A
Source: IFW/b
Date Processed by STIC: 2/9/06

ENTERED



IFW16

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/937,519A

DATE: 02/09/2006
 TIME: 14:46:08

Input Set : A:\19006007.APP
 Output Set: N:\CRF4\02092006\I937519A.raw

2 <110> APPLICANT: KRUPP, GUIDO
 4 <120> TITLE OF INVENTION: DETECTION OF NUCLEIC ACID AMPLIFIED PRODUCTS
 6 <130> FILE REFERENCE: 19006.007
 8 <140> CURRENT APPLICATION NUMBER: 09/937,519A
 9 <141> CURRENT FILING DATE: 2002-03-05
 11 <150> PRIOR APPLICATION NUMBER: PCT/EP99/07127
 12 <151> PRIOR FILING DATE: 1999-09-27
 14 <150> PRIOR APPLICATION NUMBER: DE 199 15 141.5
 15 <151> PRIOR FILING DATE: 1999-03-26
 17 <160> NUMBER OF SEQ ID NOS: 223
 19 <170> SOFTWARE: PatentIn Ver. 3.3
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 4
 23 <212> TYPE: RNA
 24 <213> ORGANISM: Artificial Sequence
 26 <220> FEATURE:
 27 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 28 oligonucleotide
 30 <400> SEQUENCE: 1
 31 gaaa 4
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 7
 36 <212> TYPE: RNA
 37 <213> ORGANISM: Artificial Sequence
 39 <220> FEATURE:
 40 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 41 oligonucleotide
 43 <220> FEATURE:
 44 <221> NAME/KEY: modified_base
 45 <222> LOCATION: (5)
 46 <223> OTHER INFORMATION: a, c, g, u, unknown, or other
 48 <400> SEQUENCE: 2
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 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 14
 54 <212> TYPE: DNA
 55 <213> ORGANISM: Artificial Sequence
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 59 oligonucleotide
 61 <400> SEQUENCE: 3
 62 tccgagccgg wcgr 14
 65 <210> SEQ ID NO: 4

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66 <211> LENGTH: 16
 67 <212> TYPE: DNA
 68 <213> ORGANISM: Artificial Sequence
 70 <220> FEATURE:
 71 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 72 oligonucleotide
 74 <400> SEQUENCE: 4
 75 rggctagcha caacga 16
 78 <210> SEQ ID NO: 5
 79 <211> LENGTH: 13
 80 <212> TYPE: RNA
 81 <213> ORGANISM: Artificial Sequence
 83 <220> FEATURE:
 84 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 85 oligonucleotide
 87 <400> SEQUENCE: 5
 88 gaaaucgaaa cgc 13
 91 <210> SEQ ID NO: 6
 92 <211> LENGTH: 32
 93 <212> TYPE: DNA
 94 <213> ORGANISM: Artificial Sequence
 96 <220> FEATURE:
 97 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 98 oligonucleotide
 100 <220> FEATURE:
 101 <221> NAME/KEY: modified_base
 102 <222> LOCATION: (24)
 103 <223> OTHER INFORMATION: Pyridin-4-one
 105 <400> SEQUENCE: 6
 W--> 106 gcgtctagcg gaaaacgtac tgangagatt cc 32
 109 <210> SEQ ID NO: 7
 110 <211> LENGTH: 22
 111 <212> TYPE: RNA
 112 <213> ORGANISM: Artificial Sequence
 114 <220> FEATURE:
 115 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 116 oligonucleotide
 118 <400> SEQUENCE: 7
 119 gcagcuaagg aaayguuaaa ag 22
 122 <210> SEQ ID NO: 8
 123 <211> LENGTH: 40
 124 <212> TYPE: DNA
 125 <213> ORGANISM: Artificial Sequence
 127 <220> FEATURE:
 128 <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
 129 Synthetic oligonucleotide
 131 <220> FEATURE:
 132 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 133 oligonucleotide

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135 <220> FEATURE:
136 <221> NAME/KEY: modified_base
137 <222> LOCATION: (29)
138 <223> OTHER INFORMATION: Pyridin-4-one
140 <400> SEQUENCE: 8
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145 <211> LENGTH: 54
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
151 primer
153 <400> SEQUENCE: 9
154 aattctaata cgactcacta tagggtgcta tgtcaattcc ccttggttct ctca 54
157 <210> SEQ ID NO: 10
158 <211> LENGTH: 46
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
164 primer
166 <400> SEQUENCE: 10
167 gaatctcatc agtagcgagt ggggggacat caagcagcca tgcaaa 46
170 <210> SEQ ID NO: 11
171 <211> LENGTH: 28
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
177 Synthetic oligonucleotide
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
181 oligonucleotide
183 <400> SEQUENCE: 11
184 tgaaucgaaa cgcgaaagcg ucuagcgu 28
187 <210> SEQ ID NO: 12
188 <211> LENGTH: 46
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
194 primer
196 <400> SEQUENCE: 12
197 gaatctcatc agtagcgagt ggggggacat caagcagcca tgcaaa 46
200 <210> SEQ ID NO: 13
201 <211> LENGTH: 15
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence

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Input Set : A:\19006007.APP
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205 <220> FEATURE:
 206 <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
 207 Synthetic oligonucleotide
 209 <220> FEATURE:
 210 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 211 oligonucleotide
 213 <400> SEQUENCE: 13
 214 tacguagucc gugcu 15
 217 <210> SEQ ID NO: 14
 218 <211> LENGTH: 13
 219 <212> TYPE: DNA
 220 <213> ORGANISM: Artificial Sequence
 222 <220> FEATURE:
 223 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 224 primer
 226 <400> SEQUENCE: 14
 227 gcgttgcgt tcc 13
 230 <210> SEQ ID NO: 15
 231 <211> LENGTH: 142
 232 <212> TYPE: DNA
 233 <213> ORGANISM: Human immunodeficiency virus type 1
 235 <400> SEQUENCE: 15
 236 agtgggggga catcaaggcag ctatgcaaay gttaaaagat actatcaatg aggaagctgc 60
 237 agaatgggac agggtacatc cagtagatgc agggcattt ccaccaggcc agatgagaga 120
 238 accaagggga agtgacatag ca 142
 241 <210> SEQ ID NO: 16
 242 <211> LENGTH: 24
 243 <212> TYPE: DNA
 244 <213> ORGANISM: Artificial Sequence
 246 <220> FEATURE:
 247 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 248 oligonucleotide
 250 <400> SEQUENCE: 16
 251 agcagctatg gaaaygttaa aaga 24
 254 <210> SEQ ID NO: 17
 255 <211> LENGTH: 54
 256 <212> TYPE: DNA
 257 <213> ORGANISM: Artificial Sequence
 259 <220> FEATURE:
 260 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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 263 <400> SEQUENCE: 17
 264 aattctaata cgactcacta tagggagtgg ggggacatca agcagctatg gaaa 54
 267 <210> SEQ ID NO: 18
 268 <211> LENGTH: 42
 269 <212> TYPE: DNA
 270 <213> ORGANISM: Artificial Sequence
 272 <220> FEATURE:
 273 <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule:

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Input Set : A:\19006007.APP
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274 Synthetic oligonucleotide
 276 <220> FEATURE:
 277 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 278 oligonucleotide
 280 <400> SEQUENCE: 18
 281 gggagtgggg ggacatcaag cagctatgga aayguuaaaa ga 42
 284 <210> SEQ ID NO: 19
 285 <211> LENGTH: 24
 286 <212> TYPE: DNA
 287 <213> ORGANISM: Escherichia coli
 289 <400> SEQUENCE: 19
 290 taatgtctgg gaaaactgcct gatg 24
 293 <210> SEQ ID NO: 20
 294 <211> LENGTH: 24
 295 <212> TYPE: DNA
 296 <213> ORGANISM: Escherichia coli
 298 <400> SEQUENCE: 20
 299 ataactactg gaaacggtag ctaa 24
 302 <210> SEQ ID NO: 21
 303 <211> LENGTH: 24
 304 <212> TYPE: DNA
 305 <213> ORGANISM: Escherichia coli
 307 <400> SEQUENCE: 21
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 311 <210> SEQ ID NO: 22
 312 <211> LENGTH: 24
 313 <212> TYPE: DNA
 314 <213> ORGANISM: Escherichia coli
 316 <400> SEQUENCE: 22
 317 gtgttagcggt gaaaatgcgta gaga 24
 320 <210> SEQ ID NO: 23
 321 <211> LENGTH: 24
 322 <212> TYPE: DNA
 323 <213> ORGANISM: Escherichia coli
 325 <400> SEQUENCE: 23
 326 gctcagggtgc gaaagcgtgg ggag 24
 329 <210> SEQ ID NO: 24
 330 <211> LENGTH: 24
 331 <212> TYPE: DNA
 332 <213> ORGANISM: Escherichia coli
 334 <400> SEQUENCE: 24
 335 ctcgtgttgt gaaaatgttgg gtta 24
 338 <210> SEQ ID NO: 25
 339 <211> LENGTH: 24
 340 <212> TYPE: DNA
 341 <213> ORGANISM: Salmonella typhimurium
 343 <400> SEQUENCE: 25
 344 taatgtctgg gaaaactgcct gatg 24
 347 <210> SEQ ID NO: 26

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/09/2006
PATENT APPLICATION: US/09/937,519A TIME: 14:46:09

Input Set : A:\19006007.APP
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 5
Seq#:6; N Pos. 24
Seq#:8; N Pos. 29
Seq#:57; N Pos. 1
Seq#:170; N Pos. 18
Seq#:171; N Pos. 19
Seq#:188; N Pos. 24
Seq#:195; N Pos. 24
Seq#:204; N Pos. 14,15,16,17,18,19
Seq#:205; N Pos. 1,2,3,4,5,6
Seq#:206; N Pos. 24
Seq#:208; N Pos. 1,2,3,4,5,10,11,12,13
Seq#:209; N Pos. 1,2,3,4,5,10,13,14,15,16,17
Seq#:210; N Pos. 1,2,3,4,7,8,9,10,11,12,13,14,15,16,17,18,19,20,25,28,29,30
Seq#:210; N Pos. 31,32
Seq#:211; N Pos. 1,2,3,4,25,28,29,30,31,32
Seq#:212; N Pos. 1,2,3,4,25,28,29,30,31,32
Seq#:213; N Pos. 1,2,3,4,5,10,11,12,13,14,15,16,17,18,19,20,21,24,25,26,27
Seq#:213; N Pos. 28
Seq#:214; N Pos. 1,2,3,4,5,24,25,26,27,28
Seq#:215; N Pos. 1,2,3,4,9,10,11,12,13
Seq#:216; N Pos. 1,2,3,4,9,10,11,12,13
Seq#:217; N Pos. 1,2,3,4,9,10,11,12
Seq#:218; N Pos. 1,2,3,4,5,6,21,22,23,24,25,26,27
Seq#:219; N Pos. 1,2,3,4,5,6,23,24,25,26,27,28,29
Seq#:220; N Pos. 1,2,3,4,5,6
Seq#:221; N Pos. 1,2,3,4,5,10,11,12,13,14,15,16,17
Seq#:222; N Pos. 1,2,3,4,5,6,21,22,23,24,25
Seq#:223; N Pos. 29

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/937,519A

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Input Set : A:\19006007.APP
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L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0
L:1659 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170 after pos.:0
L:1673 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:171 after pos.:0
L:1831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188 after pos.:0
L:1899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195 after pos.:0
L:1995 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204 after pos.:0
L:2013 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205 after pos.:0
L:2031 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206 after pos.:0
L:2071 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:208 after pos.:0
L:2103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209 after pos.:0
L:2136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:210 after pos.:0
L:2168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:211 after pos.:0
L:2200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212 after pos.:0
L:2228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:213 after pos.:0
L:2251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:214 after pos.:0
L:2274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:215 after pos.:0
L:2297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:0
L:2320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:217 after pos.:0
L:2343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:218 after pos.:0
L:2366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:219 after pos.:0
L:2384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:220 after pos.:0
L:2407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:221 after pos.:0
L:2430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:222 after pos.:0
L:2448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:223 after pos.:0